

THE 1990 EXPEDITION TO CAMDEN HARBOUR, NORTH-WEST KIMBERLEY: PART 4 – REPTILES

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INTRODUCTION

The collection and observation of the fauna of the area is listed as one of the aims of the Expedition (see Coate, this publication). This paper reports on the reptiles collected and observed on the 1990 Camden Harbour Expedition.

This trip was one of the first to begin building up cryogenic tissue samples of Kimberley reptiles. This, together with the remote locations of the collecting sites enhances the value of the otherwise relatively small collection.

The highlights of the reptile collection were the *Ramphotyphlops* sp. nov. and the *Crenadactylus* sp. nov. The blind snake was originally identified as *R. yampiensis*. More detailed study suggests it is an undescribed species. The *Crenadactylus* has only recently been identified as an unnamed species.

The following reptiles were collected.

GEKKONIDAE

Crenadactylus sp. nov.

Augustus Island (15 27S:124 38E)

– No 106260 – 12.7.1990 – Smith LA and Harold G. This specimen is “Kimberley C” of Oliver *et al.* (2010). It is one of five new species of *Crenadactylus* endemic to the Kimberleys identified on molecular evidence. The new taxa are currently being described formally.

Gehyra nana

Brecknock Harbour (15 29S:124 41E) – No 106225 & 106226 – 12.7.1990 – Harold G and Smith LA.

Langgi (15 46S:124 24E) – No 106235 & 106236 – 14.7.1990 – Harold G and Smith LA.

Gehyra occidentalis

Brecknock Harbour (15 29S:124 41E) – No 106227 – 12.7.1990 – Harold G and Smith LA.

Gehyra pilbara

West Lacepede Island (16 52S:122 10E) – No 106237 & 106238 – 19.7.1990 – Harold G and Smith LA.

Gehyra xenopus

10kms east of Red Cone Hill (16 06S:124 38E) – No 106223 & 106234 – 16.7.1990 – Harold G and Smith LA.

Heteronotia binoei

Langgi (15 46S:124 24E) – No 106217 & 106232 – 14.7.1990 – Smith LA and Harold G.

Brecknock Harbour (15 29S:124 41E) – No 106222, 106228, 106229, 106230 and 106231 – 10.7.1990 – Harold G and Smith LA; No 106233 – 13.7.1990 – Harold G and Smith LA.

Heteronotia planiceps

10kms east of Red Cone Hill (16 06S:124 38E) – No 106220 – 16.7.1990 – Smith LA and Harold G.

Oedura obscura

Langgi (15 46S:124 24E) – No 106286 – 14.7.1990 – Smith LA and Harold G.

PYGOPODIDAE

Delma borea

Augustus Island (15 26S:124 36E) – No 106284 – 11.7.1990 – Smith LA.

SCINCIDAE

Carlia johnstonei

Augustus Island (15 26S:124 36E) – No's 106221 & 106285 – 11.7.1990 – Smith LA.

Brecknock Harbour (15 29S:124 41E) – No 106253 & 106254 – 10.7.1990 – Smith LA and Harold G.

Carlia triacantha

Brecknock Harbour (15 29S:124 41E) – No 106255 – 10.7.1990 – Smith LA and Harold G.

Ctenotus inornatus

Kingfisher Island (16 07S:124 05E) – No 106219 – 18.7.1990 – Smith LA.

Eremiascincus isolepis isolepis

Brecknock Harbour (15 29S:124 29E) – No 106218 & 1106252 – 10.7.1990 – Smith LA and Harold G.

Augustus Island (15 26S:124 36E) – No 106283 – 11.7.1990 – Smith LA

Lerista walkeri

Augustus Island (15 27S:124 38E) – No 106261 – 12.7.1990 – Smith LA and Harold G.

Menetia maini

Brecknock Harbour (15 29S:124 41E) – 10.7.1990 – Smith LA and Harold G.

TYPHLOPIDAE

Ramphotyphlops sp. nov. Augustus Island (15 27S:124 38E) – No 106250 – 12.7.1990 – Sanders A.

REPTILES SIGHTED BUT NOT COLLECTED

Crocodylus porosus – Red Cone Inlet.

Crocodylus johnsoni – Red Cone Creek.

Hemidactylus frenatus – this exotic gecko was located on Adele Island (see Coate, this publication).

Varanus glauerti – Augustus Island (15 26S:124 36E).

Varanus mertensi – Langgi (15 46S:124 24E).

Dendrelaphis punctulatus – Langgi (15 46S:124 24E).

Morelia mackloti – Langgi (15 46S:124 24E).

Morelia olivaceus – Langgi (15 46S:124 24E).

Morethia ruficauda ruficauda – Brecknock Harbour (15 29S:124 41E).

Notoscincus wotjulum – Brecknock Harbour (15 29S:124 41E)

REFERENCE

OLIVER, P.M., ADAMS, M. and DOUGHTY, P. 2010. Molecular evidence for ten species and Oligo-Miocene vicariance within a nominal Australian gecko species (*Crenadactylus ocellatus*, Diplodactylidae). BMC Evolutionary Biology 2010, <http://www.biomedcentral.com/1471-2148/10/386>